

DOCKET: CU-2806

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application:	Kyung-Shik CHOI	]	
Serial No:	09/832,076	]	GRP ART UNIT: 2834
Filed:	April 9, 2001	]	
For:	RESIN MOLDED BRUSHLESS DIRECT CURRENT MOTOR AND METHOD OF MANUFACTURING THE SAME	]	Ex.: Thanh LAM

CLAIMS-MARKED UP VERSION

Claims 1-4 are currently pending in the present application.

Please cancel Claim 2 without prejudice, and amend Claim 1 as set forth below.

1. (Once Amended) A resin molded brushless direct current (BLDC) motor comprising:

a rotor assembly including a rotor and a rotating shaft, the rotor having a plurality of magnets for creating a magnetic field;

a stator assembly including a plurality of multi-phase coils, the plurality of multi-phase coils creating an electric field for generating a torque in cooperation with the magnetic field created by the magnets of the rotor;

an injection molded housing encasing the stator assembly, wherein the housing is injection molded with the stator assembly;

a depression formed in the injection molded housing as a part of the injection molded housing;

a control board disposed [on an outer portion] in the depression of the injection molded housing, the control board including a drive circuit for detecting a position of the rotor and sequentially applying conducting signals to the multi-phase

coils of the stator assembly, wherein the control board in the depression is not affected by the high temperature generated while the housing is being injection molded; and

connection means for electrically connecting the control board to the multi-phase coils of the stator assembly[.]

[wherein the housing is injection molded with the stator assembly].

2. Please cancel claim 2.